

PATENT

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## **ABSTRACT OF THE DISCLOSURE**

In one embodiment, the present invention generally provides an apparatus and method for dispersing a chemical reagent into a plating solution. The apparatus generally includes a tank for containing the plating solution and a horizontal vessel in fluid communication with the tank, wherein the horizontal vessel has an input and an output. The apparatus further includes at least one shelf contained inside the horizontal vessel, wherein the at least one shelf extends between the input and the output and the chemical reagent rests on the at least one shelf. In another embodiment, the present invention generally provides an apparatus for dispersing a chemical reagent to a plating solution comprising a tank for containing the plating solution and a vertical vessel in fluid communication with the tank. A lower portion of the vertical vessel includes an inlet and an injector port and an upper portion of the vertical vessel includes an outlet and a manifold. The chemical reagent is positioned between the inlet and the outlet.